

SUPPLEMENTARY INFORMATION: NIST may enter into a Cooperative Research and Development Agreement ("CRADA") with the licensee to perform further research on the inventions for purposes of commercialization. The inventions available for licensing are:

NIST Docket Number: 96-012US.

Title: A Device for Spatially-Resolved, High-Sensitivity Measurement of Optical Absorption Based on Intra-Cavity Total Reflection.

Abstract: This device permits the sensitive measurement of the optical absorption of matter in any state with diffraction-limited spatial resolution using total internal reflection within a high-Q (high-quality, low-loss) optical cavity. Its use provides qualitative and quantitative analysis of material composition and rates of chemical reactions. The device is especially well suited for thin film diagnostics.

NIST Docket Number: 96-025CIP.

Title: Intra-Cavity Total Reflection For High Sensitivity Measurement Of Optical Properties.

Abstract: An optical cavity resonator device is provided for conducting sensitive measurement of optical absorption by matter in any state with diffraction-limited spatial resolution through utilization of total internal reflection within a high-Q (high quality, low loss) optical cavity. Intracavity total reflection generates an evanescent wave that decays exponentially in space at a point external to the cavity, thereby providing a localized region where absorbing materials can be sensitively probed through alteration of the Q-factor of the otherwise isolated cavity. When a laser pulse is injected into the cavity and passes through the evanescent state, an amplitude loss resulting from absorption is incurred that reduces the lifetime of the pulse in the cavity. By monitoring the decay of the injected pulse, the absorption coefficient of manner within the evanescent wave region is accurately obtained from the decay time measurement.

NIST Docket Number: 97-040US.

Title: Superconducting Transition-Edge Sensor with Weak Links.

Abstract: The invention comprises the use of one or more localized weak-link structures, and damping on the electrical bias circuit, to improve the performance of superconducting transition-edge sensors (TES). The weak links generally comprise an area or areas having a reduction in cross-sectional geometry in an otherwise uniform bilayer TES applied to a substrate. The weak links control the dissipation of power in the sensor, making it quieter and making its electrical response

smoother and less hysteretic. The TES response is also made smoother by implementing a damping circuit on the electrical output of the TES.

Raymond G. Kammer,

Director.

[FR Doc. 99-13426 Filed 5-25-99; 8:45 am]

BILLING CODE 3510-13-M

DEPARTMENT OF COMMERCE

National Institute of Standards and Technology

Announcing a Meeting of the Computer System Security and Privacy Advisory Board

AGENCY: National Institute of Standards and Technology.

ACTION: Notice of meeting.

SUMMARY: Pursuant to the Federal Advisory Committee Act, 5 U.S.C. App., notice is hereby given that the Computer System Security and Privacy Advisory Board (CSSPAB) will meet Tuesday, June 8, 1999, Wednesday, June 9, 1999, from 9:00 a.m. to 5:00 p.m. and Thursday, June 10, 1999, from 9:00 a.m. to 2:00 p.m. The Advisory Board was established by the Computer Security Act of 1987 (P.L. 100-235) to advise the Secretary of Commerce and the Director of NIST on security and privacy issues pertaining to federal computer systems. All sessions will be open to the public.

DATES: The meeting will be held on June 8-9, 1999, from 9:00 a.m. to 5:00 p.m. and on June 10, 1999, from 9:00 a.m. until 2:00 p.m.

ADDRESSES: The meeting will take place at the National Institute of Standards and Technology, Gaithersburg, MD, NIST North building, 820 West Diamond Avenue, Room 618.

Agenda

- Welcome and Overview
- Issues Update and Briefings
- National Plan for Protecting the Infrastructure
- Online Privacy and Privacy Preferences Project (P3P)
- OMB/OIRA Brief
- CIO Security Committee Brief
- NIST Computer Security Updates
- GITS Security Committee Brief
- Pending Business/Discussion
- Public Participation
- Agenda Development for September 1999 Meeting
- Wrap-Up

Public Participation

The Board agenda will include a period of time, not to exceed thirty minutes, for oral comments and

questions from the public. Each speaker will be limited to five minutes.

Members of the public who are interested in speaking are asked to contact the Board Secretariat at the telephone number indicated below. In addition, written statements are invited and may be submitted to the Board at any time. Written statements should be directed to the CSSPAB Secretariat, Information Technology Laboratory, 100 Bureau Drive, Stop 8930, National Institute of Standards and Technology, Gaithersburg, MD 20899-8930. It would be appreciated if 35 copies of written material were submitted for distribution to the Board and attendees no later than June 7, 1999. Approximately 15 seats will be available for the public and media.

FOR FURTHER INFORMATION CONTACT: Mr. Edward Roback, Board Secretariat, Information Technology Laboratory, National Institute of Standards and Technology, 100 Bureau Drive, Stop 8930, Gaithersburg, MD 20899-8930, telephone: (301) 975-3696.

Dated: May 17, 1999.

Karen H. Brown,

Deputy Director.

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BILLING CODE 3510-CN-M

DEPARTMENT OF DEFENSE

Department of the Navy

Meeting of the Naval Research Advisory Committee

AGENCY: Department of the Navy, DOD.

ACTION: Notice of meeting.

SUMMARY: The Naval Research Advisory Committee (NRAC) Panel on Optimized Surface Ship Manning will meet in an Executive Session to review and assess the impact of previous studies to optimize surface ship manning, personnel effectiveness, life quality, and review the status of current Department of the Navy (DON) programs and plans; and identify technology opportunities and policy implications for increasing the effectiveness of ship's personnel without sacrificing readiness or mission capability. The meeting will be open to the public.

DATES: The meeting will be held on Friday, May 28, 1999, from 1 p.m. to 5 p.m.

ADDRESSES: The meeting will be held at the Jorge Scientific Corporation, 1225 Jefferson Davis Highway, 6th Floor, Suite 600, Crystal Gateway Two, Arlington, Virginia.